SIEMENS

Data sheet

US2:LCE02C300277A



Electrically held lighting contactor, (convertible to mech. held), Amp rating 30A (tungsten 20A), 3 N.C. / 0 N.O. poles, 277V 60Hz / 240V 50Hz coil, Non-combination type, Enclosure NEMA type 12, Dust/drip proof for indoors

design of the product Electrically held lighting contactor (convertible to mechanically held) special product feature Electrically held inperturbe to mechanically held, Power poles convertible between No and NC General tochnical data 19 b Height X With x Deph [n] 16 x 13 x 6 in Touch protection against electrical shock NA for enclosed products installation altitude [ft] at height above sea level maximum 666 ft ambient temperature [FF] -22 +149 "F • during storage -22 +149 "F • during storage -30 + 65 "C • during storage tor main contacts 0 number of NC contacts for main contacts 100 V mechanical stories for main contacts 100000 reted value 20A @277V 1p 1ph	product brand name	Class LC
Between NO and NC Contral technical data weight [lb] 19 lb Height X Width x Depth [in] 16 x 13 x 6 in touch protection against electrical shock NA for enclosed products Installation allifued [tt at height above sea level maximum 6560 ft ambient temperature ['F] - • during storage -22 +149 "F • during operation -13 +104 "F ambient temperature - • during operation -25 +40 "C country of origin USA Contactor 30 Amp number of NC contacts for main contacts 0 operating voltage for main contacts 30 OV remaximum 6600 V maximum 600 V restautor - operating voltage for main contacts 5 operating voltage for main contacts 100000 restauting of the main contacts Silver alloy, double break restautor 10A @2277V 1p 1ph retd value 20A @2277V 1p 1ph • at tungsten (1 pole per 1 phase) rated value 20A @2077V 1p 1ph	design of the product	Electrically held lighting contactor (convertible to mechanically held)
weight [b] 19 b Height X Widh x Deph [in] 16 x 13 x 6 in fouch protection against electrical shock NA for enclosed products installation altitude [if] at height above sea level maximum 6560 ft ambient temperature [iF] -22 +149 "F • during storage -22 +149 "F • during operation -13 +104 "F ambient temperature -30 +65 °C • during operation 25 +40 °C country of origin USA Contactor 30 Amp number of NO contacts for main contacts 0 number of NC contacts for main contacts 3 operating outgage for main current circuit at AC at 60 Hz 5800 V maximum 1000 Type of main contacts 10000 outlast policies for main contacts 10000 outset rating of the main contacts 10000 outset rating of the main contacts 10000 visit electronic ballast (LED driver] (1 pole per 1 phase); rated value 20A @277V 1p 1ph • at tungsten (2 poles per 3 phases); rated value 20A @480V 2p 1ph • at ballast (1 pole per 1 phase); rated value 20A @480V 3p 3ph • at ballast (2 poles per 1 phase); rated value 30A @000V 2p 1ph • at ballast (2 poles per 1 phase); rated value 30A @000V 3p 3ph </td <td>special product feature</td> <td></td>	special product feature	
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 at tungsten (2 poles per 1 phase) rated value at tungsten (3 poles per 3 phases) rated value at ballast (1 pole per 1 phase) rated value at ballast (1 pole per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (2 poles per 1 phase) rated value at ballast (3 poles per 3 phases) rated value at resistive load (1 pole per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (2 poles per 1 phase) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 3 phases) rated value at resistive load (3 poles per 4 phase) at resistive load (3 poles per 4 phase) at resistive load (3 poles per 4 phase) at resistive load		10A @120V / 3A @277V 1p 1ph
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• at ballast (1 pole per 1 phase) rated value30A @347V 1p 1ph• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (1 pole per 1 phase) rated value30A @600V 1p 1ph• at resistive load (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3phAuxiliary contact30A @600V 3p 3phAuxiliary contacts for auxiliary contacts0number of NC contacts for auxiliary contacts0number of NO contacts for auxiliary contacts0	 at tungsten (2 poles per 1 phase) rated value 	20A @480V 2p 1ph
• at ballast (2 poles per 1 phase) rated value30A @600V 2p 1ph• at ballast (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (1 pole per 1 phase) rated value30A @600V 1p 1ph• at resistive load (2 poles per 1 phase) rated value30A @600V 2p 1ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value30A @600V 3p 3ph• at resistive load (3 poles per 3 phases) rated value0	 at tungsten (3 poles per 3 phases) rated value 	20A @480V 3p 3ph
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at resistive load (1 pole per 1 phase) rated value 30A @600V 1p 1ph at resistive load (2 poles per 1 phase) rated value 30A @600V 2p 1ph at resistive load (3 poles per 3 phases) rated value 30A @600V 3p 3ph Auxiliary contact number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0	 at ballast (2 poles per 1 phase) rated value 	30A @600V 2p 1ph
• at resistive load (2 poles per 1 phase) rated value 30A @600V 2p 1ph • at resistive load (3 poles per 3 phases) rated value 30A @600V 3p 3ph Auxiliary contact 30A @600V 3p 3ph number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0	 at ballast (3 poles per 3 phases) rated value 	30A @600V 3p 3ph
	 at resistive load (1 pole per 1 phase) rated value 	30A @600V 1p 1ph
Auxiliary contact number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0	• at resistive load (2 poles per 1 phase) rated value	30A @600V 2p 1ph
number of NC contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0	• at resistive load (3 poles per 3 phases) rated value	30A @600V 3p 3ph
number of NO contacts for auxiliary contacts 0	Auxiliary contact	
· · · · · · · · · · · · · · · · · · ·	number of NC contacts for auxiliary contacts	0
number of total auxiliary contacts maximum 4	number of NO contacts for auxiliary contacts	0
	number of total auxiliary contacts maximum	4

contact rating of auxiliary contacts of contactor according to UL	NA
Coil	
type of voltage of the control supply voltage	AC
control supply voltage	
 at AC at 50 Hz rated value 	240 V
 at AC at 60 Hz rated value 	277 V
apparent pick-up power of magnet coil at AC	248 VA
apparent holding power of magnet coil at AC	28 VA
operating range factor control supply voltage rated value of magnet coil	0.85 1.1
Enclosure	
degree of protection NEMA rating of the enclosure	NEMA Type 12
design of the housing	dustproof and drip-proof for indoor use
Mounting/wiring	
mounting position	Vertical
fastening method	Surface mounting and installation
type of electrical connection for supply voltage line-side	Screw-type terminals
tightening torque [lbf-in] for supply	35 35 lbf·in
type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded	2x (14 8 AWG)
temperature of the conductor for supply maximum permissible	75 °C
material of the conductor for supply	CU
type of electrical connection for load-side outgoing feeder	Screw-type terminals
tightening torque [lbf·in] for load-side outgoing feeder	35 35 lbf·in
type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded	2x (14 8 AWG)
temperature of the conductor for load-side outgoing feeder maximum permissible	75 °C
material of the conductor for load-side outgoing feeder	CU
type of electrical connection of magnet coil	Screw-type terminals
tightening torque [lbf-in] at magnet coil	15 15 lbf·in
type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded	2x (18 14 AWG)
temperature of the conductor at magnet coil maximum permissible	75 °C
material of the conductor at magnet coil	CU
Short-circuit current rating	
design of the fuse link for short-circuit protection of the main circuit required	100kA@600V (Class R or J 40A max)
design of the short-circuit trip	Thermal magnetic circuit breaker
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	24 kA
• at 480 V	65 kA
• at 600 V	25 kA
certificate of suitability	NEMA ICS 2; UL 508
Further information	

Industrial Controls - Product Overview (Catalogs, Brochures,...)

www.usa.siemens.com/iccatalog

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:LCE02C300277A

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

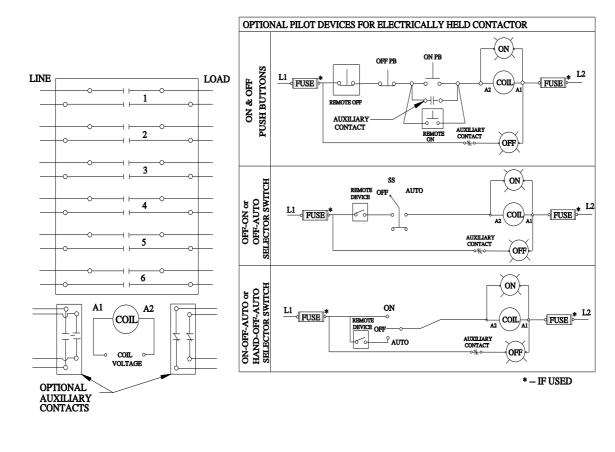
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:LCE02C300277A&lang=en

Certificates/approvals

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